STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR RESOURCES

OPERATING PERMIT

Kenyon Industries, Inc.

PERMIT NO. RI-20-02 (R2)

(Expiration date: June 14, 2007)

Pursuant to the provisions of Air Pollution Control Regulation No. 29, this operating permit is issued to:

Kenyon Industries, Inc.
36 Sherman Avenue
Kenyon, RI 02836

This permit shall be effective from the date of its issuance. All terms and conditions of the permit are enforceable by the USEPA and citizens under the federal Clean Air Act, 42 U.S.C. 7401, et seq., unless specifically designated as not federally enforceable.

Stephen Majkut, Chief
Office of Air Resources

Date of revision : 5/26/05

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SECTION I. SOURCE SPECIFIC CONDITIONS

A. Requirements for Emission Units B001 and B002

The following requirements are applicable to:

- Emission unit B001, which is a 25.8 MMBTU/hr Superior boiler, Model No. Type N 600, which is capable of burning #4, #6 fuel oil, and waste oil. [Approval No. 57]

- Emission unit B002, which is a 33.5 MMBTU/hr Cleaver Brooks boiler, Model No. CB-400-800, which is capable of burning #4, #6 fuel oil, and waste oil. [Approval No. 424]

1. Emission Limitations

a. Particulates

The permittee shall not cause or permit the emissions of particulate matter in excess of 0.1 pounds per million BTU actual heat input. [13.2.1]

b. Opacity

The permittee shall not emit into the atmosphere, any air contaminant, for a period or periods aggregating more than three minutes in any one hour, which is greater than or equal to 20 percent opacity. [1.2] Where the presence of uncombined water is the only reason for failure to meet this requirement, such failure shall not be a violation of this permit. [1.4]

c. Sulfur oxides

Unless the Director declares in writing after a hearing that a shortage of low sulfur fuel oil exists, the permittee shall not use or store fuel oil with a sulfur content greater than 1.0% by weight. [8.2]

2. Operating Requirements

a. The permittee shall tune emission units B001 and B002 at least once each year of operation, in accordance with the procedure described in Appendix A of RI APC Regulation No. 27. [27.4.2(c)]

b. The permittee is approved to blend alternative fuels with their primary fossil fuel. The quantity of alternative fuel blended with the primary fossil fuel shall not exceed one percent by volume. [20.10] **[Not Federally Enforceable]**

3. Monitoring Requirements

a. Opacity

Emission units B001 and B002 shall be equipped with an opacity monitor with audio alarm. [6.2.2(a-b)]. The opacity monitor shall be calibrated to sound the alarm at 20 percent opacity and shall be operated continuously during the combustion of oil. The audio alarm must be located in an area where it will be heard by the operator or other person responsible for the unit. [6.2.3]

4. Testing Requirements

a. Particulates

Compliance with the particulate emissions limitations contained in Condition I.A.1.a of this permit, shall be determined by emission testing conducted by the permittee according to Method 5 of 40 CFR 60, Appendix A, or another method approved by the Office of Air Resources and the USEPA, shall be used. [13.3.1]

The requirements of particulate emissions testing may be waived if the Director and the USEPA:

(1) Specifies or approves, in a specific case, the use of a reference method with minor changes in methodology; or

(2) Approves the use of an equivalent or alternative method the results of which he has determined to be adequate for indicating whether the permittee is in compliance; or

(3) Finds that the permittee has demonstrated by other means to the Director's and the USEPA's satisfaction that the source is in compliance with the relevant emissions standards. [13.3.3]

In the absence of data from particulate emissions testing, the Director and the USEPA may determine that an emission unit is or is not in compliance with the emissions limitations of Condition I.A.1.a of this permit based on available information including, but not limited to, type of fuel burned, design of unit, efficiency of air pollution control systems, operating and maintenance procedures, and emission test results on similar units. [13.3.2]

b. Opacity

Tests for determining compliance with the opacity limitations specified in Condition I.A.1.b of this permit shall be performed per 40 CFR 60, Appendix A, Method 9. Additionally, all observers must qualify as per 40 CFR 60, Appendix A, Method 9. [1.3.1, 1.3.2]

c. Sulfur oxides

Compliance with the sulfur limitations contained in Condition I.A.1.c of this permit shall be determined by the procedures referenced in Condition II.U.2 of this permit.

5. Recordkeeping Requirements

a. The permittee shall record the monthly fuel usage for each emission unit. [27.6.3(a)]

b. The permittee shall maintain records verifying that a tune-up has been performed in accordance with Condition I.A.2.a of this permit. These records shall include the following information:

(1) The date the tune-up was performed,

(2) The name of the person who performed the tune-up; and,

(3) The final excess oxygen setting

(4) The O_2/smoke curve that has been developed as part of the tune-up procedure. [27.6.8(a-d)]

c. The permittee shall maintain a logbook to reflect the quantity and date the alternative fuels are generated and the emission unit to which it is added. Quantity of virgin oil in the tanks at the time of addition of lubricating oil shall be indicated. [20.10]**[Not Federally Enforceable]**

6. Reporting Requirements

a. Logbook entries shall be summarized semi-annually and submitted to the Office of Air Resources each July and January. [20.10] **[Not Federally Enforceable]**

b. Should the amount or type of oils generated change such that the exemption criteria is no longer applicable, the permittee shall notify the Office of Air Resources. [20.10] **[Not Federally Enforceable]**

B. Requirements for Emission Units P001 and P002

The following requirements are applicable to:

- Emission units P001 and P002 that consist of Radiant Heat KK Solvent-based fabric coating lines, used for applying coatings to synthetic and synthetic-blend fabrics including, but not limited to dacron, polyester, nylon, and acetate sailcloth fabrics. P001 and P002 are each equipped with two electric drying ovens. P001 and P002 are associated with air pollution control device C001, which is a 6800 scfm, 8.5 MMBTU/hr Airtech System, Inc. thermal oxidizer, Model No. LV-CF5, which burns liquid propane gas. [Approval No. 900]

1. Emission Limitations

a. Emissions from P001 and P002 shall not exceed 4.79 lbs VOC/gallon of solids. [19.3.1]

b. Compliance with the emission limitation in condition I.B.1.a of this permit shall be achieved through the use of air pollution control device C001. The combination of percent capture of the VOC generated by P001 and P002 and the percent destruction of this VOC in C001 must provide an overall efficiency of 95 percent or greater. [Approval No. 900, 19.3.1, 19.3.2(a)]

c. At least 90% of the toluene and xylene emissions from emission units P001 and P002 shall be captured and directed to C001 and reduced by at least 95% before being discharged to the atmosphere. [Air Toxics Operating Permit Approval No. 824/04(B)(8)] **[Not Federally Enforceable]**

d. The total combined quantity of toluene applied to the substrates on P001 and P002 shall not exceed 295.9 lbs./hr. [Approval Nos. 1738-1739 (F)(1)]

e. The total combined quantity of xylene applied to the substrates on P001 and P002 shall not exceed 165.2 lbs./hr. [Approval Nos. 1738-1739 (F)(2)]

2. Operating Requirements

a. C001 shall be operated at a minimum temperature of 1400^{o}F. This minimum temperature requirement may be revised based on the results of emission testing. [Approval No. 900]

b. C001 shall be operated according to its design specifications whenever P001 and/or P002 are in operation or are emitting air contaminants. [16.1]

c. In case of a malfunction of C001, all reasonable measures shall be taken to assure resumption of the designed control efficiency as soon as possible. In the event

that the malfunction of C001 is expected or may reasonably be expected to continue for longer than 24 hours and if the permittee wishes to operate P001 and/or P002 beyond that period, the Director shall be petitioned for a variance under Section 23-23-15 of the General Laws of Rhode Island, as amended. Such petition shall include but is not limited to, the following: [16.2]

(1) Identification of the specific air pollution control system (C001) and the source on which it is installed (P001 or P002), [16.2(a)]

(2) The expected period of time that C001 will be malfunctioning or out of service, [16.2(b)]

(3) The nature and quantity of air contaminants likely to be emitted during said period, [16.2(c)]

(4) Measures that will be taken to minimize the length of said period, and [16.2(d)]

(5) The reasons it would be impossible or impractical to cease the source operation during said period. [16.2(e)]

3. Monitoring Requirements

a. The operating temperature of C001 shall be continuously monitored.[29.6.3(b)]

4. Testing Requirements

a. Control efficiency of C001 will be determined using USEPA Reference Method 25 or other methods approved by the Office of Air Resources and the USEPA. Calculations will be done on a solids applied basis. Continuous compliance will be maintained at all times. Compliance averaging times will be three hours. Once the control efficiency has been determined for any add-on control devices by Reference Method 25, or any alternative method approved by the Office of Air Resources and the USEPA, compliance shall be determined on an instantaneous basis time period (e.g. determined control efficiency shall be used to calculate whether samples from the process meet the applicable emission limit.) [19.7.3]

5. Recordkeeping Requirements

a. The permittee shall collect, record, and maintain all of the following information each month for P001 and P002: [19.5.4(c)]

(1) The name and identification number of each coating used on P001 and P002. [19.5.4(c)(1)]

(2) The mass of VOC per unit volume of coating solids, as applied, the volume solids content, as applied, and the volume, as applied, of each coating used on P001 and P002; [19.5.4(c)(2)(i)]

(3) The type and amount of solvent used for diluents and clean up operations; [19.5.4(c)(4)]

(4) A log of operating time for the capture system, C001, monitoring equipment and emission units P001 and P002; [19.5.4(c)(5)]

(5) A maintenance log for the capture system, C001, and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages; [19.5.4(c)(6)]

(6) All 3-hour periods of operation in which the average combustion temperature of C001 was more than 28°C (50°F) below the average combustion temperature during the most recent performance test that demonstrated that the facility was in compliance, and [19.5.4(c)(7)(i)]

(7) The operating temperature of C001. [19.5.4(c)(7)(ii)]

b. The permittee shall, on a daily basis determine: [Approval Nos. 1738-1739 (E)(4)]

(1) the total quantity of toluene applied to the substrate on P001 and P002 combined, and [Approval Nos. 1738-1739 (E)(4)(e)]

(2) the total quantity of xylene applied to the substrate on P001 and P002 combined, and; [Approval Nos. 1738-1739 (E)(4)(f)]

The permittee shall keep records of this determination and provide such records to the Office of Air Resources upon request. [Approval Nos. 1738-1739 (E)(4)]

6. Reporting Requirements

a. The permittee shall notify the Director of any record showing noncompliance with section I.B of this permit or the applicable requirements for C001 by sending a copy of the record to the Director within 5 business days following the occurrence, and [19.5.4(d)(1), 29.6.4(b)(2)]

b. The permittee shall notify the Office of Air Resources of any anticipated noncompliance with the terms of Section I.B of this permit or any other applicable air pollution control rules and regulations. [Approval Nos. 1738-1739 (E)(10)]

c. The permittee, before changing the method of compliance from control devices to daily- weighted averaging or complying coatings, shall submit a Compliance Certification Plan to the Office of Air Resources for review and approval. Such plan shall include: [19.5.2(a), 19.5.3(a)]

(1) The name and location of the facility; [19.5.2(a)(1), 19.5.3(a)(1)]

(2) The name, address and telephone number of the person responsible for the facility; [19.5.2(a)(2), 19.5.3(a)(2)]

(3) The name and identification number of the emission units which will comply by means of daily weighted averaging or complying coatings; [19.5.2(a)(4), 19.5.3(a)(3)]

(4) For daily-weighted averaging:

(a) The instrument or method by which the permittee will accurately measure or calculate the volume of each coating (excluding water), as applied, used each day on each emission unit; [19.5.2(a)(5)]

(b) The method by which the permittee will create and maintain records each day as required by Subsection 19.5.2(c) of APC Regulation No. 19; [19.5.2(a)(6)]

(c) The time at which the facility's day begins if a time other than midnight local time is used to define a day. [19.5.2(a)(7]

(5) For complying coatings:

(a) The name and identification number of each coating, as applied, on each coating line or operation; [19.5.3(a)(4)]

(b) The mass of VOC per volume coating (excluding water) and the volume of each coating (excluding water), as applied; [19.5.3(a)(5)]

(c) The time at which the facility's day begins if a time other than midnight local time is used to define a day. [19.5.3(a)(6)]

(6) Information describing the effect of the change on the emissions of any air contaminant. [9.2.1]

(7) A demonstration that emissions from the stationary source will not cause an increase in the ground level ambient concentration at or beyond the property line in excess of that allowed by APC Regulation No. 22. [22.3.3(a)]

d. The permittee shall notify the Office of Air Resources, within 24 hours, whenever:

(1) the total quantity of toluene applied to the substrate on P001 and P002 combined exceeds 295.9 lbs. per hour, and; [Approval Nos. 1738-1739 (E)(5)(e)]

(2) the total quantity of xylene applied to the substrate on P001 and P002 combined exceeds 165.2 lbs. per hour. [Approval Nos. 1738-1739 (E)(4)(f)]

C. Requirements for Emission Units P004, P005 and P006

The following requirements are applicable to:

- Emission units P004, P005 and P006 that are Radiant Heat KK Solvent-based fabric coating lines, used for applying coatings to synthetic and synthetic-blend fabrics including, but not limited to dacron, polyester, nylon, and acetate sailcloth fabrics. P004 is equipped with two electric 0.5 MMBTU/hr drying ovens, P005 is equipped with four electric 0.5 MMBTU/hr drying ovens, and P006 is equipped with three electric 0.5 MMBTU/hr drying ovens. P004, P005 and P006 are associated with air pollution control device C006, which is a 13,500 scfm, 6.3 MMBTU/hr Smith Engineering, Inc. thermal oxidizer, Model No. Custom, which burns liquid propane gas. [Approval Nos. 1738-1739]

1. Emission Limitations

a. Emissions from P004, P005 and P006 shall not exceed 4.79 lbs VOC/gallon of solids. [19.3.1]

b. Compliance with the emission limitation in condition I.C.1.a of this permit shall be achieved through the use of air pollution control device C006. VOC emissions generated from P004 shall be reduced by 98 percent or greater. This is to be achieved through a combination of 100 percent capture of the VOC generated by P004 and a 98 percent destruction of this VOC. VOC emissions

generated by P005 and P006 shall be reduced by 95 percent or greater. This is

to be achieved through a combination of 97 percent capture of the VOC generated by the coating line and 98 percent destruction of this VOC. [Approval Nos. 1738-1739 (A)(2), Approval Nos. 1738-1739 (A)(3), 19.3.2(a)]

c. VOC emissions generated from P004, P005 and P006 shall be captured and contained for discharge to C006. [Approval Nos. 1738-1739 (A)(1)]

d. The destruction efficiency of C006 for VOC shall be at least 98 percent. [Approval Nos. 1738-1739 (A)(4)]

e. The total quantity of VOC discharged to C006 shall not exceed 705 lbs. per hour, the maximum loading capacity of the oxidizer. [Approval Nos. 1738-1739 (A)(5)]

f. The total quantity of VOC applied to the substrate on P004 shall not exceed 111,667 lbs. per month (12 month rolling average). [Approval Nos. 1738-1739 (A)(6)]

g. The total quantity of toluene applied to the substrates on P004, P005 and P006 shall not exceed the following: [Approval Nos. 1738-1739 (A)(7)]

(1) 422.7 lbs. per hour for P005 and P006 combined, and; [Approval Nos. 1738-1739 (A)(7)(a)]

(2) 654.3 lbs. per hour for P004, P005 and P006 combined. [Approval Nos. 1738-1739 (A)(7)(b)]

h. The total quantity of xylene applied to the substrates on P004, P005 and P006 shall not exceed the following: Approval Nos. 1738-1739 (A)(8)]

(1) 124.0 lbs. per hour for P005 and P006 combined, and; [Approval Nos. 1738-1739 (A)(8)(a)]

(2) 293.8 lbs. per hour for P004, P005 and P006 combined. [Approval Nos. 1738-1739 (A)(8)(b)]

i. The total quantity of any one Hazardous Air Pollutant (HAP) applied to the substrate on P004 shall not exceed 75,000 lbs. per month (12 month rolling average). [Approval Nos. 1738-1739 (A)(9)]

2. Operating Requirements

a. The operating temperature of C006 shall be maintained at or above 1400°F whenever VOC is being discharged to C006, or at a lower temperature that has been demonstrated in the most recent compliance test to achieve the required destruction efficiency. [Approval Nos. 1738-1739 (B)(1)]

b. The operating temperature of C006 shall never exceed 1500°F. [Approval Nos. 1738-1739 (B)(2)]

c. The P004, P005 and P006 coating equipment shall each be equipped with an interlock to prevent operation of the coating equipment if the operating temperature of C006 is less than the temperature specified in Condition I.C.2.a. [Approval Nos. 1738-1739 (B)(3)]

d. All access doors and windows in the station enclosures at P004 shall be closed during routine operation of the coating equipment. Brief, occasional openings of doors to allow for access and inspection are acceptable. [Approval Nos. 1738-1739 (B)(4)]

e. Air passing through any opening in the capture systems for P004, P005 and P006 shall flow into the enclosures continuously. [Approval Nos. 1738-1739 (B)(5)]

f. To ensure 100 percent capture of the VOC generated, P004 must be equipped with a total enclosure. This total enclosure must meet the criteria for a permanent total enclosure contained in 40 CFR Part 51, Appendix M, Method 204-"Criteria for and Verification of a Permanent or Temporary Total Enclosure". [Approval Nos. 1738-1739 (B)(6)]

g. All cleaning of the P004, P005 and P006 coating equipment with VOC-containing material shall be conducted with the air pollution control system operating. VOC emissions generated during cleaning shall be captured and contained and discharged through C006 for destruction. [Approval Nos. 1738-1739 (B)(7)]

h. C006 shall be operated according to its design specifications whenever P004, P005, and/or P006 are in operation or are emitting air contaminants. [16.1]

3. Monitoring Requirements

a. The operating temperature of C006 shall be continuously monitored.

[Approval Nos. 1738-1739 (C)(1)]

4. Testing Requirements

a. Control efficiency of C006 will be determined using USEPA Reference Method 25 or other methods approved by the Office of Air Resources and the USEPA. Calculations will be done on a solids applied basis. Continuous compliance will be maintained at all times. Compliance averaging times will be three hours. Once the control efficiency has been determined for any add-on control devices by Reference Method 25, or any alternative method approved by the Office of Air Resources and the USEPA, compliance shall be determined on an instantaneous basis time period (e.g. determined control efficiency shall be used to calculate whether samples from the process meet the applicable emission limit.) [19.7.3]

5. Recordkeeping Requirements

a. The permittee shall collect, record, and maintain the following information each month for P004, P005, P006, and C006: [19.5.4(c), Approval Nos. 1738-1739 (E)(1)]

(1) The name, identification number, and amount of each coating used on P004, P005, and P006; [19.5.4(c)(1), Approval Nos. 1738-1739 (E)(1)(a)]

(2) The mass of VOC per unit volume of coating solids, as applied, the volume solids content, as applied, and the volume, as applied, of each coating used on P004, P005, and P006; [19.5.4(c)(2)(i), Approval Nos. 1738-1739 (E)(1)(b)]

(3) The type and amount of solvent used for diluents and clean up operations; [19.5.4(c)(4), Approval Nos. 1738-1739 (E)(1)(c)]

(4) A log of operating time for the capture systems, C006, monitoring equipment, P004, P005, and P006; [19.5.4(c)(5), Approval Nos. 1738-1739 (E)(1)(d)]

(5) A maintenance log for the capture systems, C006, and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages; [19.5.4(c)(6), Approval Nos. 1738-1739 (E)(1)(e)]

(6) All 3-hour periods of operation in which the average combustion temperature of C006 was more than 28°C (50°F) below the average

combustion temperature during the most recent performance test that demonstrated that the facility was in compliance, and [19.5.4(c)(7)(i), Approval Nos. 1738-1739 (E)(1)(f)]

(7) The operating temperature of C006. [19.5.4(c)(7)(ii), Approval Nos. 1738-1739 (E)(1)(g)]

b. The permittee shall, on a monthly basis, no later than 5 business days after the first of the month, determine the total quantity of VOC applied to the substrate on P004 for the previous 12 months. The permittee shall keep records of this

c. determination and provide such records to the Office of Air Resources upon request. [Approval Nos. 1738-1739 (E)(2)]

d. The permittee shall, on a daily basis, determine: [Approval Nos. 1738-1739 (E)(4)]

(1) the total quantity of toluene applied to the substrate on P005 and P006 combined, and; [Approval Nos. 1738-1739 (E)(4)(a)]

(2) the total quantity of toluene applied to the substrate on P004, P005 and P006 combined, and; [Approval Nos. 1738-1739 (E)(4)(b)]

(3) the total quantity of xylene applied to the substrate on P005 and P006 combined, and; [Approval Nos. 1738-1739 (E)(4)(c)]

(4) the total quantity of xylene applied to the substrate on P004, P005 and P006 combined. [Approval Nos. 1738-1739 (E)(4)(d)]

The permittee shall keep records of this determination and provide such records to the Office of Air Resources upon request. [Approval Nos. 1738-1739 (E)(4)]

e. The permittee shall, on a monthly basis, no later than 5 business days after the first of the month, determine total quantity of each HAP applied to the substrate on P004 for the previous 12 months. The permittee shall keep records of this determination and provide such records to the Office of Air Resources upon request. [Approval Nos. 1738-1739 (E)(6)]

f. The operating temperature of C006 shall be continuously recorded. [Approval Nos. 1738-1739 (C)(1)]

6. Reporting Requirements

a. The permittee shall notify the Director of any record showing noncompliance

with Section I.C of this permit or the applicable requirements for C006 by sending a copy of the record to the Director within 5 business days following the occurrence, and [19.5.4(d)(1)]

b. The permittee shall notify the Office of Air Resources, within 15 days, whenever the total quantity of VOC applied to the substrate on P004 exceeds 111,667 lbs. per month (12 month rolling average). [Approval Nos. 1738-1739 (E)(3)]

c. The permittee shall notify the Office of Air Resources, within 24 hours, whenever: [Approval Nos. 1738-1739 (E)(5)]

(1) the total quantity of toluene applied to the substrate on P005 and P006 combined exceeds 422.7 lbs. per hour, and; [Approval Nos. 1738-1739 (E)(5)(a)]

(2) the total quantity of toluene applied to the substrate on P004, P005 and P006 combined exceeds 654.3 lbs. per hour, and; [Approval Nos. 1738-1739 (E)(5)(b)]

(3) the total quantity of xylene applied to the substrate on P005 and P006 combined exceeds 124.0 lbs. per hour, and; [Approval Nos. 1738-1739 (E)(5)(c)]

(4) the total quantity of xylene applied to the substrate on P004, P005 and P006 combined exceeds 293.8lbs. per hour. [Approval Nos. 1738-1739 (E)(5)(d)]

d. The permittee shall notify the Office of Air Resources, within 15 days, whenever the total quantity of any one HAP applied to the substrate on P004 exceeds 75,000 lbs. per month (12 month rolling average). [Approval Nos. 1738-1739 (E)(7)]

e. The permittee must notify the Office of Air Resources no later than 24 hours after an exceedance of any of the emission limitations in Conditions I.C.1.d–f is discovered. Notification shall include: [Approval Nos. 1738-1739 (E)(8)]

(1) Identification of the emission limitation exceeded. [Approval Nos. 1738-1739 (E)(8)(a)]

(2) Suspected reason for the exceedance. [Approval Nos. 1738-1739 (E)(8)(b)]

(3) Corrective action taken or to be taken. [Approval Nos. 1738-1739 (E)(8)(c)]

(4) Anticipated length of the exceedance. [Approval Nos. 1738-1739 (E)(8)(d)]

f. The permittee shall notify the Office of Air Resources of any record showing noncompliance with the terms of Section I.C or any other air pollution control rule or regulation applicable to P004, P005 or P006 by sending a copy of the record to the Office of Air Resources within 30 days following the occurrence. [Approval Nos. 1738-1739 (E)(9)]

g. The permittee shall notify the Office of Air Resources of any anticipated noncompliance with the terms of Section I.C or any other applicable air pollution control rules and regulations. [Approval Nos. 1738-1739 (E)(10)]

h. The permittee, before changing the method of compliance from control devices to daily-weighted averaging or complying coatings, shall submit a Compliance Certification Plan to the Office of Air Resources for review and approval. Such plan shall include: [19.5.2(a), 19.5.3(a), Approval Nos. 1738-1739 (E)(14)]

(1) The name and location of the facility; [19.5.2(a)(1), 19.5.3(a)(1), Approval Nos. 1738-1739 (E)(14)(a)]

(2) The name, address and telephone number of the person responsible for the facility; [19.5.2(a)(2), 19.5.3(a)(2), Approval Nos. 1738-1739 (E)(14)(b)]

(3) The name and identification number of the emission units which will comply by means of daily weighted averaging or complying coatings; [19.5.2(a)(4), 19.5.3(a)(3), Approval Nos. 1738-1739 (E)(14)(c)]

(4) For daily-weighted averaging:

(a) The instrument or method by which the permittee will accurately measure or calculate the volume of each coating (excluding water), as applied, used each day on each emission unit; [19.5.2(a)(5), Approval Nos. 1738-1739 (E)(14)(d)(1)]

(b) The method by which the permittee will create and maintain records each day as required by Subsection 19.5.2(c) of APC Regulation No. 19; [19.5.2(a)(6), Approval Nos. 1738-1739 (E)(14)(d)(2)]

(c) The time at which the facility's day begins if a time other than midnight local time is used to define a day. [19.5.2(a)(7), Approval

Nos. 1738-1739 (E)(14)(d)(3)]

(5) For complying coatings:

(a) The name and identification number of each coating, as applied, on each coating line or operation; [19.5.3(a)(4), Approval Nos. 1738-1739 (E)(14)(e)(1)]

(b) The mass of VOC per volume coating (excluding water) and the volume of each coating (excluding water), as applied; [19.5.3(a)(5), Approval Nos. 1738-1739 (E)(14)(e)(2)]

(c) The time at which the facility's day begins if a time other than midnight local time is used to define a day. [19.5.3(a)(6)]

(6) Information describing the effect of the change on the emissions of any air contaminant. [9.2.1, Approval Nos. 1738-1739 (E)(14)(f)]

(7) A demonstration that emissions from the stationary source will not cause an increase in the ground level ambient concentration at or beyond the property line in excess of that allowed by APC Regulation No. 22. [22.3.3(a), Approval Nos. 1738-1739 (E)(14)(g)]

i. The permittee shall notify the Office of Air Resources, in writing, of the date of actual start-up of the P004 coating line, no later than 15 days after such date. [Approval Nos. 1738-1739 (E)(11)]

7. Other Requirements

a. To the extent consistent with the requirements of Section I.C of this permit and applicable federal and state laws, the equipment shall be designed, constructed and operated in accordance with the representation of the equipment in the permit application as prepared by Environmental Science services, Inc., dated 19 August 2002, as amended. [Approval Nos. 1738-1739 (F)(3)]

b. The permittee shall shut down P004, P005, or P006 in the event of a malfunction of the emission capture systems and/or C006 that results in or that could result in, emissions in excess of the permit limits. P004, P005 and P006 shall remain shut down until the malfunction has been identified and corrected. [Approval Nos. 1738-1739 (F)(4)]

c. There shall be no bypassing of C006 during times when VOC is being discharged to C006. [Approval Nos. 1738-1739 (F)(5)]

d. At all times, including periods of startup, shutdown and malfunction, the permittee shall, to the extent practicable, maintain and operate the facility in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Office of Air Resources which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures and inspection of the source. [Approval Nos. 1738-1739 (F)(11)]

8. Malfunctions

a. Malfunction means a sudden and unavoidable breakdown of process or control equipment. In case of malfunction of C006, all reasonable measures shall be taken to assure resumption of the designed control efficiency as soon as possible. In the event that the malfunction of C006 is expected or may reasonably be expected to continue for longer than 24 hours and if the permittee wishes to operate P004, P005 and/or P006 beyond that period, the Director shall be petitioned for a variance under Section 23-23-15 of the General Laws of Rhode Island, as amended. Such petition shall include but is not limited to, the following: [Approval Nos. 1738-1739 (G)(1), 16.2]

(1) Identification of the specific air pollution control system (ie. C006) and the source on which it is installed (ie. P004, P005, P006); [Approval Nos. 1738-1739 (G)(1)(a), 16.2(a)]

(2) The expected period of time that the air pollution control system will be malfunctioning or out of service; [Approval Nos. 1738-1739 (G)(1)(b), 16.2(b)]

(3) The nature and quantity of air contaminants likely to be emitted during said period; [Approval Nos. 1738-1739 (G)(1)(c), 16.2(c)]

(4) Measures that will be taken to minimize the length of said period; [Approval Nos. 1738-1739 (G)(1)(d), 16.2(d)]

(5) The reasons it would be impossible or impractical to cease the source operation during said period. [Approval Nos. 1738-1739 (G)(1)(e), 16.2(e)]

b. The permittee may seek to establish that a malfunction of C006 that would result in noncompliance with any of the terms in Section I.C of this permit or any other applicable air pollution control rules and regulations was due to unavoidable increases in emissions attributable to the malfunction. To do so, the permittee must demonstrate to the Office of Air Resources that: [Approval Nos. 1738-1739 (G)(2)]

(1) The malfunction was not attributable to improperly designed air pollution control equipment, lack of preventative maintenance, careless or improper operation or operator error; [Approval Nos. 1738-1739 (G)(2)(a)]

(2) The malfunction is not part of a recurring pattern indicative of inadequate design, operation or maintenance; [Approval Nos. 1738-1739 (G)(2)(b)]

(3) Repairs were performed in an expeditious fashion. Off-shift labor and overtime should be utilized, to the extent practicable, to ensure that such repairs were completed as expeditiously as practicable. [Approval Nos. 1738-1739 (G)(2)(c)]

(4) All possible steps were taken to minimize emissions during the period of time that the repairs were performed. [Approval Nos. 1738-1739 (G)(2)(d)]

(5) Emissions during the period of time that the repairs were performed will not: [Approval Nos. 1738-1739 (G)(2)(e)]

(a) Cause an increase in the ground level ambient concentration at or beyond the property line in excess of that allowed by Air Pollution Control Regulation No. 22 and any Calculated Acceptable Ambient Levels; and [Approval Nos. 1738-1739 (G)(2)(e)(1)]

(b) Cause or contribute to air pollution in violation of any applicable state or national ambient air quality standard. [Approval Nos. 1738-1739 (G)(2)(e)(2)]

(6) The reasons that it would be impossible or impractical to cease the operation of P004, P005 and/or P006 during said period. [Approval Nos. 1738-1739 (G)(2)(f)]

(7) The permittee's action in response to the excess emissions were documented by properly signed, contemporaneous operating logs or other relevant evidence. [Approval Nos. 1738-1739 (G)(2)(g)]

This demonstration must be provided to the Office of Air Resources, in writing, within two working days of the time when the malfunction occurred, and contain a description of the malfunction, any steps taken to minimize emissions and corrective actions taken. [Approval Nos. 1738-1739 (G)(2)]

The permittee shall have the burden of proof in seeking to establish that noncompliance was due to unavoidable increases in emissions attributable to the

malfunction. [Approval Nos. 1738-1739 (G)(2)]

D. Requirements for Emission Units P007, P008, P011, P012, P013, P014, P015, P017, P021 and P022

- Emission unit P007, which is a 5.15 MMBTU/hr, one oven Goodrich Engineering gas frame used to dry and set fabric and/or add water repellents to fabric, which burns liquid propane gas.

- Emission unit P008 consists of a fabric printing line.

- Emission unit P011, which is a 8.5 MMBTU/hr, Goodrich Engineering gas frame used to dry and set fabric and/or add water repellents to fabric, which burns liquid propane gas.

- Emission unit P012, which is a 5.15 MMBTU/hr, Goodrich Engineering gas frame used to dry and set fabric and/or add water repellents to fabric, which burns liquid propane gas.

- Emission unit P013, which is a 7.0 MMBTU/hr, Goodrich Engineering gas frame used to dry and set fabrics and/or add water repellents to fabric, which burns liquid propane gas.

- Emission unit P014, which is a 6.0 MMBTU/hr, National Dryer, Model No. 42049 Type DM6 gas frame used to cure resins, which burns liquid propane gas.

- Emission unit P015, which is a 2.4 MMBTU/hr, oven, used to dry and cure fabric, which burns liquid propane gas.

- Emission unit P017 consists of two process wastewater treatment lagoons.

- Emission unit P021, which is a 7.50 MMBTU/hr Monforts gas frame used to dry and set fabric and/or add water repellents to fabric, which burns liquid propane gas.

- Emission unit P022, which is a 4.0 MMBTU/hr Salvade gas frame used to dry and set fabric and/or add water repellents to fabric, which burns liquid propane gas.

There are no specific applicable requirements for these emission units; however, this does not relieve the permittee from compliance with the provisions of the General Conditions, outlined in Section II of this permit, as they apply to the emission units listed above.

E. Requirements for Emission Unit P016

The following requirements are applicable to:

- Emission unit P016, which consists of the coating blending room. Solvent coatings are mixed in 55-gallon drums and 293-gallon totes. P016 is associated with air pollution control device C006, which is a 13,500 scfm, 6.3MMBTU/hr Smith Engineering, Inc. thermal oxidizer, Model No. Custom, which burns liquid propane gas. [Approval Nos. 1738-1739]

1. Operating Requirements

a. The amount of toluene and xylene emitted from P016 shall not exceed 6% of the total emissions of each chemical. [Air Toxics Operating Permit Approval No. 824/04(B)(6)] **[Not Federally Enforceable]**

b. C006 shall be operated according to its design specifications whenever P016 is in operation or is emitting air contaminants. [16.1]

c. In the case of a malfunction of C006, all reasonable measures shall be taken to assure resumption of the designed control efficiency as soon as possible. In the event that the malfunction of C006 is expected or may reasonably be expected to continue for longer than 24 hours and if the permittee wishes to operate P016 beyond that period, the Director shall be petitioned for a variance under section 23-23-15 of the General Laws of Rhode Island, as amended. Such petition shall include but is not limited to, the following: [16.2]

(1) Identification of the specific air pollution control system (ie. C006) and the source on which it is installed (i.e. P016), [16.2(a)]

(2) The expected period of time that C006 will be malfunctioning or out of service, [16.2(b)]

(3) The nature and quantity of air contaminants likely to be emitted during said period, and [16.2(c)]

(4) Measures that will be taken to minimize the length of said period, and [16.2(d)]

(5) The reasons it would be impossible or impractical to cease the source operation during said period. [16.2(e)]

F. Requirements for Emission Units P018 and P019

The following requirements are applicable to:

- Emission unit P019, which is a Graymills Cold Cleaning Degreasing Dip Tank, Model No. Custom.

- Emission unit P018, which is a Safety Kleen Cold Cleaning Degreasing Spray Tank, Model No. 30.3R.

1. Operating Requirements

a. Equipment covers and dipping/or rotating baskets must be constructed of nonporous or nonabsorbent material. Covers must form a tight seal with the sides of P018 and P019 and have no gaps or holes. [36.4.1]

b. When the covers for P018 or P019 are open, drafts at the same elevation as the tank lip must not be greater than 40 m/min. (130 ft/min.) when measured 1 to 2 meters (3 to 7 feet) upwind. [36.4.2]

c. Leaks must be repaired immediately or P018 and P019 shall be shut down. [36.4.3]

d. P018 and P019 shall display a conspicuous summary of proper operating procedures consistent with minimizing emissions of organic solvents. [36.4.4]

e. Any solvent spray from P018 must be a solid, fluid stream which is delivered at a pressure no greater than 10 pounds per square inch (psi) and which does not cause excessive splashing. [36.4.5]

f. Spills shall be wiped up immediately. The wipe rags shall be stored in covered containers meeting the specifications in Condition I.F.1.l of this permit. [36.4.6]

g. No porous or absorbent materials, such as sponges, fabrics, wood, or paper products, shall be cleaned in P018 or P019. [36.4.7]

h. Parts baskets or parts shall be drained under the cover and shall not be removed from P018 or P019 for at least 15 seconds or until dripping ceases and the pieces are visually dry, whichever is longer. [36.4.8]

i. Parts having cavities or blind holes shall be tipped or rotated while draining before being removed from the vapor zone. [36.4.9]

j. Parts shall be oriented for best drainage. [36.4.10]

k. When solvent is added to or drained from P018 or P019, the solvent shall be transferred using threaded or other leakproof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface. [36.4.11]

l. Solvent, waste solvent, still bottoms, and sump bottoms must be stored in covered containers and waste solvent transferral or disposal must allow less than 20 percent of the waste solvent (by weight) to evaporate into the atmosphere. [36.4.12]

m. P018 and P019 shall be maintained as recommended by the manufacturer of the equipment. [36.4.13]

n. Operators of P018 and P019 must receive training in proper solvent cleaning procedures and, if requested by representatives of the Office of Air Resources or the USEPA during an inspection, must complete and pass the applicable sections of the test on those procedures in Appendix A of Air Pollution Control Regulation No. 36. [36.4.14]

o. P018 and P019 shall be equipped with attached covers that can be operated easily with one hand. Covers must be closed at all times except during parts entry and removal. [36.5.1]

p. A freeboard ratio greater than or equal to 0.75 shall be used to control solvent emissions from P018 and P019. [36.5.3(a)]

q. If a flexible hose or flushing device is used, flushing shall be performed only within the freeboard zone of P018 and P019. [36.5.4]

r. The height of solvent in P018 and P019 shall not exceed the manufacturer's fill-line for that machine. [36.5.6]

2. Recordkeeping Requirements

a. The permittee shall maintain the following records: [36.10.4]

(1) Training provided to operators of P018 and P019 for the lifetime of the unit. [36.10.4]

(2) The amount and type of solvent used in P018 and P019 each year. [36.10.4(a)]

(3) The date and type of each equipment malfunction or leak and the date it is repaired. [36.10.4(b)]

G. Requirements for Emission Unit P020

The following requirements are applicable to:

- Emission unit P020, which is a maintenance lathe machine used in the maintenance area to turn production rollers to remove imperfections. P020 is associated with air pollution control device C005, which is a Torit dust collector, Model No. 30-15-55-FD.

1. Operating Requirements

a. C005 shall be operated according to its design specifications whenever P020 is in operation or is emitting air contaminants. [16.1]

b. In case of a malfunction of C005, all reasonable measures shall be taken to assure resumption of the designed control efficiency as soon as possible. In the event that the malfunction of C005 is expected or may reasonably be expected to continue for longer than 24 hours and if the permittee wishes to operate P020 beyond that period, the Director shall be petitioned for a variance under Section 23-23-15 of the General Laws of Rhode Island, as amended. Such petition shall include but is not limited to, the following: [16.2]

(1) Identification of the specific air pollution control system (i.e., C005) and the source on which it is installed (i.e., P020); [16.2(a)]

(2) The expected period of time that C005 will be malfunctioning or out of service; [16.2(b)]

(3) The nature and quantity of air contaminants likely to be emitted during said period; [16.2(c)]

(4) Measures that will be taken to minimize the length of said period; and [16.2(d)]

(5) The reasons that it would be impossible or impractical to cease the source operation during said period. [16.2(e)]

2. Monitoring Requirements

a. The pressure drop across control device C005 shall be monitored continuously. [29.6.3]

3. Recordkeeping Requirements

a. The pressure drop across C005 shall be checked a minimum of once per day and the date, time and measurement shall be recorded. [29.6.3(b)]

H. Requirements for Emission Units T001 and T002

- Emission units T001 and T002, each of which is a 30,000-gallon underground fuel oil storage tank.

1. Recordkeeping Requirements

a. The permittee shall keep readily accessible records showing the dimension of T001 and T002 and an analysis showing the capacity of T001 and T002. [40 CFR 60.116b(b)]

b. The permittee shall maintain the records specified in Condition I.I.1.a of this section for the life of the source. [40 CFR 60.116b(a)]

I. Facility Requirements

1. Emission Limitations

a. Total toluene emissions shall be limited to 1000 pounds per day and 466,000 pounds per year. [Air Toxics Operating Permit Approval No. 824/04(B)(3)] **[Not Federally Enforceable]**

b. Total xylene emissions shall be limited to 370 pounds per day. [Air Toxics Operating Permit Approval No. 824/04(B)(4)] **[Not Federally Enforceable]**

c. The amount of toluene and xylene emitted fugitively from the facility shall not exceed 69% of the total emissions of each chemical. [Air Toxics Operating Permit Approval No. 824/04(B)(5)] **[Not Federally Enforceable]**

2. Operating Requirements

a. Toluene shall be used only in the surface coating and printing processes. [Air Toxics Operating Permit Approval No. 824/04(B)(1)] **[Not Federally Enforceable]**

b. Xylene shall be used only in the surface coating, printing, and dyeing processes. [Air Toxics Operating Permit Approval No. 824/04(B)(2)] **[Not Federally Enforceable]**

c. The capture hoods and the exhaust air handling duct system shall be visually inspected monthly by the permittee's personnel for any holes or corrosion in the ductwork. All holes will be promptly repaired within 7 days. [Air Toxics Operating Permit Approval No. 820/04(C)(1)] **[Not Federally Enforceable]**

d. The permittee will develop a corrosion mitigation plan for the exhaust air ductwork. All areas identified with significant corrosion problems will be treated or corrected during the plant's annual shutdown. [Air Toxics Operating Permit Approval No. 820/04(C)(3)] **[Not Federally Enforceable]**

3. Monitoring Requirements

a. The permittee will conduct an annual evaluation of the exhaust air handling system during the plant's annual shutdown. The evaluation will confirm the integrity of the exhaust air ducts and that the air flow to the control devices is consistent with values measured during emission testing. [Air Toxics Operating Permit 824/04(C)(2)] **[Not Federally Enforceable]**

4. Recordkeeping Requirements

a. The permittee shall maintain records of the total amount of toluene-containing and xylene-containing solvent that is purchased and the amount of this solvent that is used, on a daily basis, in the coating process. [Air Toxics Operating Permit Approval No. 824/04(D)(1)] **[Not Federally Enforceable]**

b. The permittee shall estimate, on a daily basis, the amount of toluene and xylene and, on an annual basis, the amount of toluene that is emitted to the atmosphere. [Air Toxics Operating Permit Approval No. 824/04(D)(2)] **[Not Federally Enforceable]**

c. The permittee will maintain a log of all monthly inspections of the capture hoods and exhaust air handling ductwork and any repairs made to the system. [Air Toxics Operating Permit Approval No. 824/04(D)(3)] **[Not Federally Enforceable]**

5. Reporting Requirements

a. The permittee shall submit the estimates of the maximum daily toluene and xylene emissions and the annual toluene emissions as part of its annual air pollution inventory report. [Air Toxics Operating Permit Approval No. 824/04(E)(1)] **[Not Federally Enforceable]**

6. Other Requirements

a. The permittee is subject to the requirements of 40 CFR 63.1-15, Subpart A, "General Provisions" [as indicated in Table 3 to Subpart OOOO of 40 CFR 63] and 40 CFR 63, Subpart OOOO, "National Emission Standards for Hazardous Air Pollutants for Printing, Coating and Dyeing of Fabrics and Other Textiles". Compliance with all applicable provisions therein is required, unless otherwise stated in this permit. The permittee must comply with the standards in Subpart OOOO by 29 May 2006. [40 CFR 63.4283, 40 CFR 63.4301]

SECTION II. GENERAL CONDITIONS

A. Annual Emissions Fee Payment

The permittee shall pay an annual emissions fee as established in Air Pollution Control Regulation No. 28 "Operating Permit Fees." [29.6.8(d)]

B. Permit Renewal and Expiration

This permit is issued for a fixed term of 5 years. The permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least 12 months prior to the date of permit expiration. Upon receipt of a complete and timely application for renewal, this source may continue to operate subject to final action by the Office of Air Resources on the renewal application. In such an event, the permit shield in Condition II.Y of this permit shall extend beyond the original permit term until renewal. This protection shall cease to apply if, subsequent to a completeness determination, the applicant fails to submit by the deadline specified in writing by the Office of Air Resources any additional information identified as being needed to process the application. The application for renewal shall include the current permit number, description of permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. [29.6.8(a), 29.4.2(c), 29.4.6]

C. Transfer of Ownership or Operation

This permit is nontransferable by the permittee. Future owners and operators must obtain a new operating permit from the Office of Air Resources. A change in ownership or operational control of this source is treated as an administrative permit amendment if no other change in this permit is necessary and provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to the Office of Air Resources. [29.10.1(a)(4)]

D. Property Rights

This permit does not convey any property rights of any sort, or any exclusive privilege. [29.6.8(c)(4)]

E. Submissions

1. Reports, test data, monitoring data, notifications, and requests for renewal shall be submitted to:

RIDEM - Office Air Resources
Compliance Assurance Section
235 Promenade St. Room 230
Providence, RI 02908

2. Any records, compliance certifications and monitoring data required by the provisions of this permit to be submitted to USEPA shall be sent to:

USEPA Region I
Office of Environmental Stewardship
Director, Air Compliance Program
Attn: Air Compliance Clerk
One Congress St. Suite 1100 (SEA)
Boston, MA 02114-2023

3. Any document submitted shall be certified as being true, accurate, and complete by a responsible official. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements, and information in the certification are true, accurate, and complete. [29.6.8(e)]

F. Inspection and Entry

1. Employees of the Office of Air Resources and its authorized representatives shall be allowed to enter this facility at all reasonable times for the purpose of: [29.6.8(f)(1)]

a. having access to and copying at reasonable times any records that must be kept under the conditions of this permit; [29.6.8(f)(2)]

b. inspecting at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and [29.6.8(f)(3)]

c. sampling or monitoring, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements. [RIGL 23-23-5(7), 29.6.8(f)(4), Approval Nos. 1738-1739 (F)(10)]

Nothing in this condition shall limit the ability of the USEPA to inspect or enter the premises of the permittee under Section 114 or other provisions of the Clean Air Act.

G. Compliance

1. The permittee must comply with all conditions of this permit. Any noncompliance with a federally enforceable permit condition constitutes a violation of the Clean Air Act and is grounds for enforcement action, for permit termination, revocation and

reissuance or modification, or for denial of a permit renewal application. Any noncompliance with a permit condition designated as not federally enforceable constitutes a violation of state rules only and is grounds for enforcement action, for permit termination, revocation and reissuance or modification, or for denial of a permit renewal application. [29.6.8(c)(1)]

2. For each unit at the facility for which an applicable requirement becomes effective during the permit term, the permittee shall meet such requirements on a timely basis unless a more detailed schedule is expressly required by the applicable requirement. [29.6.5(a)]

3. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [29.6.8(c)(2)]

H. Excess Emissions Due to an Emergency

As the term is used in this condition an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of this source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes this source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error. [29.6.11(b)]

Technology-based emission limits are those established on the basis of emission reductions achievable with various control measures or process changes (e.g., a new source performance standard) rather than those established to attain a health based air quality standard.

The permittee may seek to establish that noncompliance with a technology-based emission limitation under this permit was due to an emergency. To do so, the permittee shall demonstrate the affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that: [29.6.11(a) & 29.6.11(c)]

1. an emergency occurred and that the permittee can identify the cause(s) of the emergency; [29.6.11(c)(1)]

2. the permitted facility was at the time being properly operated; [29.6.11(c)(2)]

3. during the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards, or other requirements in this permit; and [29.6.11(c)(3)]

4. the permittee submitted notice of the emergency to the Office of Air Resources within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. This notice fulfills the requirements of Condition II.AA.3 of this permit. [29.6.11(c)(4)]

The permittee shall have the burden of proof in seeking to establish the occurrence of an emergency. [29.6.11(d)]

I. Duty to Provide Information

The permittee shall furnish to the Office of Air Resources, within a reasonable time, any pertinent information that the Office of Air Resources may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Office of Air Resources copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. [29.6.8(c)(5)]

J. Duty to Supplement

The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the Office of Air Resources. The permittee shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit. [29.5.4]

K. Reopening for Cause

The Office of Air Resources will reopen and revise this permit as necessary to remedy deficiencies in the following circumstances:

1. Additional requirements under the Clean Air Act become applicable to a major source 3 or more years prior to the expiration date of this permit. Such a reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the expiration date of this permit, unless this permit or any of its terms and conditions have been extended. [29.6.13(a)]

2. The Office of Air Resources or the Administrator determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit. [29.6.13(c)]

3. The Office of Air Resources or the Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [29.6.13(d)]

Reopenings shall not be initiated before a notice of intent to reopen is provided to the permittee by the Office of Air Resources at least 30 days in advance of the date that this permit is to be reopened, except that the Office of Air Resources may provide a shorter time period (but not less than five days) in the case of an emergency. [29.9.5(b)]

Proceedings to reopen and issue this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable. [29.9.5(a)]

All permit conditions remain in effect until such time as the Office of Air Resources takes final action. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [70.6(a)(6)(iii)]

L. Severability Clause

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [29.6.8(b)]

M. Off-Permit Changes

1. The permittee is allowed to make certain changes that are not addressed or prohibited by this permit without a permit revision, provided that the following conditions are met: [29.11.2(a)]

a. Each such change shall not violate any term or condition of this permit. [29.11.2(b)]

b. Each change shall comply with all applicable requirements. [29.11.2(b)]

c. Changes under this provision may not include changes or activities subject to any requirement under Title IV or modifications under any provision of Title I of the Clean Air Act. [29.11.2(a)]

d. Before the permit change is made, the permittee must provide contemporaneous written notice to the Office of Air Resources and the USEPA Region I, except for changes that qualify as insignificant activities in Appendix

A of APC Regulation No. 29. This notice shall describe each change, including the date, and change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change. [29.11.2(c)]

e. The permit shield does not apply to changes made under this provision. [29.11.2(d)]

f. The permittee shall keep a record describing changes made at the stationary source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under this permit, and the emissions resulting from those changes, including any other data necessary to show compliance with applicable ambient air quality standards. The record shall reside at the permittee's facility. [29.11.2(e)]

2. Changes made pursuant to this provision shall not be exempt from the requirement to obtain a minor source permit pursuant to the requirements of Air Pollution Control Regulation No. 9, if applicable. [29.11.2(a)]

3. Changes made pursuant to this provision shall be incorporated into this permit at the time of renewal. [29.11.2(f)]

N. Section 502(b)(10) Changes

1. The permittee is allowed to make changes within this permitted facility that contravene the specific terms of this permit without applying for a permit revision, provided the changes do not exceed the emissions allowable under this permit, whether expressed therein as a rate of emissions or in terms of total emissions and are not Title I modifications. This class of changes does not include:

a. changes that would violate applicable requirements; or

b. changes to federally enforceable permit terms or conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements. [29.11.1(a), 29.1.36]

2. The permittee shall provide written notice to the Office of Air Resources and the USEPA Region I any change made under this provision. The notice must be received by the Office of Air Resources no later than fourteen (14) days in advance of the proposed changes. The notice shall include information describing the nature of the change, the effect of the change on the emission of any air contaminant, the scheduled completion date of the planned change and identify any permit terms or conditions that are no longer applicable as a result of the change. The permittee shall attach each notice to its copy of this permit. [29.11.1(a)(1), 29.11.1(a)(2)]

3. The permittee shall be allowed to make such change proposed in its notice the day following the last day of the advance notice described in paragraph 2 if the Office of Air Resources has not responded nor objected to the proposed change on or before that day. [29.11.1(b)]

4. Any permit shield provided in this permit does not apply to changes made under this provision. If subsequent changes cause the permittee's operations and emissions to revert to those anticipated in this permit, the permittee resumes compliance with the terms and conditions of the permit, and has provided the Office of Air Resources and the USEPA with a minimum of fourteen (14) days advance notice of such changes in accordance with the provisions of paragraph 2, the permit shield shall be reinstated in accordance with terms and conditions stated in this permit. [29.11.1(c)]

5. Changes made pursuant to this provision shall be incorporated into the operating permit at the time of renewal. [29.11.1(d)]

O. Emissions Trading

No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit. [29.6.6(a)]

P. Emission of Air Contaminants Detrimental to Person or Property

The permittee shall not emit any air contaminant which either alone or in connection with other emissions, by reason of their concentration or duration, may be injurious to human, plant or animal life, or cause damage to property or which unreasonably interferes with the enjoyment of life or property. [7.1]

Q. Odors

1. The permittee shall not emit or cause to be emitted into the atmosphere any air contaminant or combination of air contaminants which creates an objectionable odor beyond the property line of this facility. [17.1]

2. A staff member of the Office of Air Resources shall determine by personal observation if an odor is objectionable, taking into account its nature, concentration, location, duration and source. [17.2]

R. Visible Emissions

1. Except as may be specified in other provisions of this permit, the permittee shall not emit into the atmosphere, from any emission unit, any air contaminant, for a period or periods aggregating more than three minutes in any one hour, which is greater

than or equal to 20 percent opacity. [1.2] Where the presence of uncombined water is the only reason for failure to meet this requirement, such failure shall not be a violation of this permit. [1.4]

2. Tests for determining compliance with the opacity limitations specified in this permit shall be performed per 40 CFR 60, Appendix A, Method 9. Additionally, all observers must qualify as per 40 CFR 60, Appendix A, Method 9. [1.3.1, 1.3.2]

S. Open Fires

It shall be unlawful for the permittee to burn any material in an open fire, except as provided in APC Regulation No. 4, Section 4.3. [4.2]

T. Construction Permits

It shall be unlawful for the permittee to construct, install, modify or cause the construction, installation or modification of any stationary source subject to the provisions of APC Regulation No. 9 without obtaining either a minor source permit or a major source permit from the Director. [9.2.1]

U. Sulfur in Fuel

1. Except as may be specified in other provisions of this permit, unless the Director declares in writing after a hearing that a shortage of low sulfur fuel exists, the permittee shall not use or store fuel oil with a sulfur content greater than 1.0% by weight, except for use with marine vessels or motor vehicles. [8.2, 8.3.6]

2. Compliance with the sulfur in fuel limitations contained in this section shall be determined by the procedures listed below or by another method deemed equivalent by the Director: [29.6.3(b)]

a. For each shipment of fuel oil, the permittee shall obtain a certification from the fuel supplier, which contains:

(1) For distillate fuel oil:

(a) the name of the supplier

(b) a statement that the oil complies with the specification for fuel oil number 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78 "Standard Specification for Fuel Oils." [27.6.4(b)]

(2) For residual fuel oil:

(a) The name of the supplier,

(b) The nitrogen and sulfur content of the oil and the ASTM method used to determine the nitrogen and sulfur content of the oil,

(c) The location of the oil when the sample was drawn for analysis to determine the nitrogen and sulfur content of the oil, specifically including whether the oil was sampled as delivered to the permittee or whether the sample was drawn from oil in storage at the oil suppliers/refiners facility or another location. [27.6.5 (a)-(d)]

(3) For diesel fuel oil:

(a) the name of the supplier,

(b) a statement that the oil complies with the specification for diesel fuel oil grade 1-D or 2-D, as defined by the American Society for Testing and Materials in ASTM D975-03 "Standard Specification for Fuel Oils."

b. As an alternative to fuel oil certification, the permittee may elect to sample the fuel oil prior to combustion. Sampling and analysis shall be conducted after each new shipment of fuel oil is received. Samples shall be collected from the fuel tank immediately after the fuel tank is filled and before any fuel oil is combusted. [27.6.6, 8.4.1(b)]

c. All fuel oil must be sampled and analyzed according to ASTM methods, which have the prior approval of or are required by the Office of Air Resources. [27.6.6, 8.4.1(b)]

d. Copies of the fuel oil analysis sheets shall be maintained at the facility and be made accessible for review by the Office of Air Resources or designated personnel of the Office of Air Resources and the USEPA. These records shall include a certified statement, signed by a responsible official, that the records represent all of the fuel combusted during each quarter. [27.6.7, 29.6.4(a)(1)]

e. The Director may require, under his supervision, the collection of fossil fuel samples for the purpose of determining compliance with the sulfur limitations in this permit. Sampling and analysis of fossil fuels under Condition II.U.2 of this permit shall not limit the collection of samples under this condition. [8.4.3]

V. Air Pollution Episodes

Conditions justifying the proclamation of an air pollution alert, air pollution warning or air pollution emergency shall be deemed to exist whenever the Director determines that the accumulation of air pollutants in any place is attaining or has attained levels which could, if such levels are sustained or exceeded, lead to a substantial threat to the health of persons. If the governor declares an air pollution alert, air pollution warning or air pollution emergency, the permittee shall comply with the applicable requirements contained in APC Regulation No. 10. [10.1]

W. Fugitive Dust

The permittee shall not cause or permit any materials, including but not limited to sand, gravel, soil, aggregate and any other organic or inorganic solid matter capable of releasing dust, to be handled, transported, mined, quarried, stored or otherwise utilized in any way so as to cause airborne particulate matter to travel beyond the property line of the facility without taking adequate precautions to prevent particulate matter from becoming airborne. Such precaution shall be in accordance with good industrial practice as determined by the Director and/or shall be other reasonable fugitive dust prevention measures as determined by the Director. [5.2]

X. Compliance Certifications

1. The permittee shall submit a certification of compliance with permit terms and conditions annually. [29.6.5(c)(1)]

2. The certification shall describe the following:

a. the permit term or condition that is the basis of the certification; [29.6.5(c)(3)a]

b. the current compliance status; [29.6.5(c)(3)(b)]

c. whether compliance was continuous or intermittent; and [29.6.5(c)(3)c]

d. the methods used for determining compliance, currently and over the reporting period. [29.6.5(c)(3)d]

3. All compliance certifications shall be submitted to the Office of Air Resources and to the USEPA Region I. They shall be submitted within 60 days following the end of the reporting period which is the calendar year unless otherwise specified. [29.6.5(c)(4)]

4. All compliance certifications shall be certified as being true, accurate, and complete by a responsible official. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements, and information in the certification are true, accurate, and complete. [29.6.8(e)]

Y. Permit Shield

1. Compliance with the terms and conditions of this permit shall be deemed compliance with all requirements applicable to the source in the following: Approval Nos. 57, 277, 424, 483, 900, 1738 and 1739, Air Toxics Operating Permit Approval No. 824/04, 40 CFR 60 Subpart Kb, 40 CFR 63.4283 and 40 CFR 63.4301 of Subpart OOOO and RI APC Regulations Nos. 1, 4, 5, 6, 7, 8, 9, 10, 13, 14, 16, 17, 19, 20, 22, 27, 28, 29, and 36. [29.6.12(a)(1)]

2. The Office of Air Resources has determined that Emissions units B001, B002, P001, P002, P004, P005, P006, P007, P008, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, T001 and T002 are not subject to the following: Rhode Island APC Regulations Nos. 2, 3, 11, 12, 15, 21, 24, 25, 26, 30, 31, 32, 33, 35, 39 and 41. [29.6.12(a)(2)]

3. Nothing in this permit shall alter or affect the following:

a. the provisions of Section 303 of the Clean Air Act, including the authority of the USEPA under that Section. [29.6.12(c)(1)]

b. the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance. [29.6.12(c)(2)]

c. the applicable requirements of the acid rain program consistent with Section 408 of the Act. [29.6.12(c)(3)]

d. the ability of the USEPA to obtain information under Section 114 of the Act. [29.6.12(c)(4)]

4. If it is determined that this operating permit was issued based on inaccurate or incomplete information provided by the permittee, this permit shield shall be void as to the portions of this permit which are affected, directly and indirectly, by the inaccurate or incomplete information. [29.6.12(d)]

Z. Recordkeeping

1. The permittee shall, at the request of the Director, provide data on operational processes, fuel usage, raw materials, stack dimensions, exhaust gas flow rates and

temperatures, emissions of air contaminants, steam or hot water generator capacities,

types of equipment producing air contaminants and air pollution control systems or other data that may be necessary to determine if the facility is in compliance with air pollution control regulations. [14.2.1]

2. All records and supporting information required by this permit shall be maintained at the permittee's 36 Sherman Avenue facility for a period of at least 5 years from the date of sample monitoring, measurement, report or application, and shall be made available to representatives of the Office of Air Resources and the USEPA upon request. Supporting information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. [14.2.1, 29.6.4(a)(2), Approval Nos. 1738-1739 (E)(16)]

3. The permittee shall keep records of required monitoring information that include the following:

a. The date, place, and time of sampling or measurements; [29.6.4(a)(1)a]

b. The date(s) analyses were performed; [29.6.4(a)(1)b]

c. The company or entity that performed the analyses; [29.6.4(a)(1)c]

d. The analytical techniques or methods used; [29.6.4(a)(1)d]

e. The results of such analyses; and [29.6.4(a)(1)e]

f. The operating conditions as existing at the time of sampling or measurement. [29.6.4(a)(1)f]

AA. Reporting

1. The information recorded by the permittee pursuant to Condition II.Z.1 of this Section shall be summarized and reported at least annually to the Director. It shall be submitted by April 15th unless otherwise specified. [14.2.2, 19.6] Information submitted pursuant to this condition will be correlated with applicable emission limitations and other applicable emissions information and will be available for public inspection. [14.2.3]

2. The permittee shall submit reports of any required monitoring for each semiannual period ending 30 June and 31 December of each calendar year. These reports shall be due to the Office of Air Resources no later than forty-five (45) days after the end of the reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by a

responsible official consistent with condition II.X.4. [29.6.4(b)(1)]

3. Deviations from permit conditions, including those attributable to upset conditions as defined in this permit, shall be reported, in writing, within five (5) business days of the deviation, to the Office of Air Resources. A copy of any such report shall be sent to the USEPA Region I. Reports shall describe the probable cause of such deviations, and any corrective actions or preventive measures taken. Each report must be certified by a responsible official consistent with Condition II.X.4 of this permit. [29.6.4(b)(2)]

4. The Office of Air Resources shall be notified in writing of any planned physical change or operational change to the emissions units and control devices identified in this permit. Such notification shall include information describing the nature of the change, information describing the effect of the change on the emissions of air contaminants and the scheduled completion date of the planned change. Any change which may result in an increased emission rate of any air contaminant shall be subject to approval of the Office of Air Resources. [Air Toxics Operating Permit Approval No. 824/04(E)(2)(a-c), Approval Nos. 1738-1739 (E)(15)]

BB. Credible Evidence

For the purpose of submitting compliance certifications or establishing whether or not the permittee has violated or is in violation of any provision of this permit, the methods listed in this permit shall be used, as applicable. However, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the permittee would have been in compliance with applicable requirements if the appropriate performance or compliance test procedures or methods had been performed. [40 CFR 51.212(c), 51.12(c), 52.33(a)]

CC. Emission Statements

1. The permittee shall submit annually an emission statement, which includes information for both VOC and NO_x if facility wide actual emissions are 25 tons per year of either pollutant. Emission statements shall be submitted to the Office of Air Resources on April 15th of each year unless otherwise specified. The permittee may apply to the Office of Air Resources to be allowed to discontinue submitting annual emission statements if actual emissions at the facility decrease to below 10 tons per year as a result of a permanent process change. [14.3.1]

The permittee shall submit an emission statement in a format approved by the Office of Air Resources. The emission statement shall contain the following information: [14.3.2]

a. A certification that the information contained in the emission statement is accurate and complete to the best knowledge of the certifying individual.

b. The full name, title, signature, date of signature, and telephone number of the certifying individual.

c. Facility identification information, including the full name, physical location, mailing address, latitude, longitude, and four digit SIC code(s).

d. Process data pertaining to each process emitting VOC and/or NO_x, including:

(1) Annual and typical ozone season daily fuel use,
(2) Annual and typical ozone season daily process rate(s), and
(3) Process throughput while air pollution control equipment was not in operation.

e. Operating data pertaining to each process emitting VOC and/or NO_x during the reporting year, including:

(1) Percentage annual throughput,
(2) Average hours of operation per day during the reporting year and on a typical ozone season day,
(3) Average number of days of operation per week during the reporting year and during a typical ozone season week, and
(4) Weeks of operation during the reporting year and during the peak ozone season.

f. Control equipment information, including:

(1) Specific primary and secondary control equipment for each process emitting VOC and/or NO_x,
(2) Current overall control efficiency for each piece of control equipment (indicated by percent capture and percent destruction or removal), and
(3) Control equipment downtime during the reporting year and during the peak ozone season.

g. Emissions information, including:

(1) Actual annual and typical ozone season daily emissions of VOC and NO_x for each process. Emissions should be reported in tons per year and in pounds per day.
(2) A description of the emission calculation method and, if applicable, emission factor(s) used, and
(3) The calendar year for which emissions are reported.

h. Any additional information required by the Director to document the facility's

emission statements.

DD. Miscellaneous Conditions

1. This permit may be modified, revoked, reopened, reissued, or terminated for cause. The filing of a request, by the permittee, for a permit modification, revocation and reissuance or termination or of a notification of planned changes or anticipated noncompliance does not release the permittee from the conditions of this permit. [29.6.8(c)(3)]

2. Any application for a permit revision need only submit information related to the proposed change. [29.4.3(c)]

3. Terms not otherwise defined in this permit shall have the meaning given to such terms in 40 CFR 63.2, the Clean Air Act as amended in 1990 or the referenced regulation as applicable.

4. Where more than one condition in this permit applies to an emission unit and/or the entire facility, the most stringent condition shall apply.

SECTION III. SPECIAL CONDITIONS

A. Ozone-depleting Substances

This section contains air pollution control requirements that are applicable to this facility, and the United States Environmental Protection Agency enforces these requirements.

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

a. All containers containing a class I or class II substance that is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to 40 CFR 82.106.

b. The placement of the required warning statement must comply with the requirements of 40 CFR 82.108.

c. The form of the label bearing the required warning statement must comply with the requirements of 40 CFR 82.110.

d. No person may modify, remove or interfere with the required warning statement except as described in 40 CFR 82.112.

2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVAC) in Subpart B:

a. Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices of 40 CFR 82.156.

b. Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment of 40 CFR 82.158.

c. Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

d. Persons disposing of small appliances, MVACs and MVAC-like appliances (as defined in 40 CFR 82.152) must comply with recordkeeping requirements of 40 CFR 82.166.

e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair equipment requirements of 40 CFR 82.156.

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

3. If the permittee manufactures, transforms, imports or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR Part 82, Subpart A, "Production and Consumption Controls".

4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, "Servicing of Motor Vehicle Air Conditioners".

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo or system used on passenger buses using HCFC-22 refrigerant.

5. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR Part 82, Subpart G, "Significant New Alternatives Policy Program".

B. Prevention of Accidental Releases

This section contains air pollution control requirements that are applicable to this facility, and the United States Environmental Protection Agency enforces these requirements.

Your facility is subject to the requirements of the General Duty Clause, under 112(r)(1) of the CAA Amendments of 1990. This clause specifies that owners or operators of stationary sources producing, processing, handling or storing a chemical in any quantity listed in 40 CFR Part 68 or any other extremely hazardous substance have a general duty to identify hazards associated with these substances and to design, operate and maintain a safe facility, in order to prevent releases and to minimize the consequences of accidental releases which may occur.